

SEQUOIA NATIONAL PARK

PUBLIC USE REPORTING AND COUNTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by **Sequoia National Park**. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Statistical Office to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding area on the 10-157 Monthly Public Use Report.

I. Recreation Visits

1. An inductive loop traffic counter is located on the southbound lane of Generals Highway at the Red Fir entrance. The traffic count is multiplied by the persons-per-vehicle multiplier (PPV) (Table 1).
2. An inductive loop traffic counter is located on the northbound lane of Generals Highway at the Ash Mountain entrance. The traffic count is reduced for non-recreation vehicles (actual count), non-reportable vehicles (actual count), and buses. The reduced traffic count is multiplied by the PPV multiplier (Table 1).
3. An inductive loop traffic counter is located on the eastbound lane of Mineral King Road at the Lookout Point entrance. The traffic count is multiplied by the PPV multiplier (Table 1).
4. An inductive loop traffic counter is located on the eastbound lane at the South Fork entrance. The traffic count is multiplied by the PPV multiplier (Table 1).
5. The number of bus visitors.

II. Non-recreation Visits

The actual count of non-recreation visits entering the park as recorded by the entrance station personnel.

III. Recreation Visitor Hours

The total recreation visits are multiplied by the length-of-stay multiplier (Table 2).

IV. Non-recreation Visitor Hours

The total non-recreation visits are multiplied by four hours (4.0) per visit.

V. Overnight Stays

Concessionaire Lodging - Giant Forest Lodge and Bearpaw Meadow Camp

The number of visitors staying overnight as reported by the concessionaire.

NPS Campgrounds - Atwill Mill, Buckeye Flats, Cold Springs, Lodgepole, Potwisha, and South Fork

The number of tent and R/V sites occupied is multiplied by the persons-per-site multiplier of 3.18.

NPS Backcountry

Backcountry use is estimated by multiplying the number of permits issued, by the appropriate multiplier in Table 3.

NPS Miscellaneous Group Camp at Dorst

The number of group campers at Dorst group campground.

VI. Special Use Data

Line a. Vehicles to Red Fir

Line b. Vehicles to Ash Mountain

Line c. Vehicles to Lookout Point

Line d. Vehicles to South Fork

Line e. Number of backcountry campers

Line n. The number of tour buses

Table 1.
Persons-Per-Vehicle Multipliers* by Locations

LOCATIONS	MULTIPLIERS
Red Fir Gate	3.18
Ash Mountain Entrance	3.23
Lookout Point Entrance	2.24
South Fork	2.24

*Source 1989 Survey

Table 2.
Average Length-of-Stay Multipliers* by Month

MONTHS	HOURS
JANUARY	4.8
FEBRUARY	4.8
MARCH	4.8
APRIL	36.4
MAY	36.4
JUNE	36.9
JULY	36.9
AUGUST	36.4
SEPTEMBER	36.4
OCTOBER	36.4
NOVEMBER	36.4
DECEMBER	4.8

*Source 1980 Survey

Table 3.
Estimated Number of Backcountry Overnight Stays by Permits Issued at Sequoia NP

MONTH	AVG. OF PERSONS-PER-PERMIT	AVG. # OF NIGHTS STAYED PER PERSON	% OF TOTAL USE FOR SEQUOIA NP	COMPUTER FACTOR
JANUARY	3.04	1.96	0.94	5.600
FEBRUARY	2.91	3.24	0.95	8.957
MARCH	3.12	2.81	0.92	8.066
APRIL	2.73	3.11	0.90	7.641
MAY	3.66	3.59	0.53	6.964
JUNE	3.54	5.07	0.54	9.692
JULY	3.57	4.55	0.46	7.472
AUGUST	3.71	5.02	0.55	10.243
SEPTEMBER	2.81	4.14	0.45	5.235
OCTOBER	3.06	2.78	0.62	5.274
NOVEMBER	2.78	2.57	0.65	4.644
DECEMBER	2.45	2.74	0.91	6.109